

Date: Tue, 2 Feb 93 14:00:08 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #156
To: Info-Hams

Info-Hams Digest Tue, 2 Feb 93 Volume 93 : Issue 156

Today's Topics:

2m FM xmitter plans needed
73 Magazine Circulation Figures
Can scanners pick up CORDLESS phones ??
LW antenna
Mail failure
QRP->VFO
quarter vs. half-wave vertical
Real Hams: A non ham view
Solar panel night discharging

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Tue, 2 Feb 1993 14:41:08 GMT
From: sdd.hp.com!usc!cs.utexas.edu!swrinde!emory!kd4nc!ke4zv!gary@network.UCSD.EDU
Subject: 2m FM xmitter plans needed
To: info-hams@ucsd.edu

In article <1kl5g3INNfac@mojo.eng.umd.edu> tedwards@eng.umd.edu (Thomas Grant Edwards) writes:

>Hi! At the University of Maryland Amateur Radio Association, we
>have a bunch of new no-coders who we'd like to hook up with 2m FM
>rigs so they can use the club repeater.
>
>We're looking for plans for easy-to-construct and hopefully cheap QRP
>FM voice xmitters for 2m. Can anyone give a reference to plans for
>such a beast (we have access to QST,73,Ham Radio, and CQ).

>We'd especially like to hear personal thoughts on which plans would be
>best for use.

Call Motorola and ask for their *free* MC2833P evaluation kit. This is a single chip FM transmitter with circuit board and data sheet. It's about 10 mw output at 2 meters. You can add a simple class C amp for more power. A 2N2222 will give you about 80 mw.

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244				

Date: Tue, 2 Feb 1993 16:42:26 GMT
From: sdd.hp.com!zaphod.mps.ohio-state.edu!malgudi.oar.net!ucbeh.san.uc.edu!att-out!cbfsb!cbnews!cbnewsm!jeffj@network.UCSD.EDU
Subject: 73 Magazine Circulation Figures
To: info-hams@ucsd.edu

In article <14570613@hpnmdla.sr.hp.com> alanb@hpnmdla.sr.hp.com (Alan Bloom) writes:

>

>In college, my friend was a die-hard Wayne Green fan. My friend thought
>that ARRL was an evil empire and Wayne was the Savior of amateur radio.
>After graduating, he went to work at 73, rising to Assistant Editor.
>He told me that he saw the printing bill every month. At a time when
>73 was advertising a circulation of about 75,000, their maximum print
>run was under 40,000. (With damaged copies, free samples, and
>undistributed stock, 73 must have been overstating their circulation
>by about a factor of two.)

>

>A few years ago, ARRL filed a Freedom of Information request with the
>US Post Office to obtain sizes of mailing runs of the major ham
>publications, and published the results in the up-front news section
>of QST. They couldn't actually claim that 73 was lying about their
>circulation rates, because those figures did not include news stand
>sales. But it's pretty obvious that 73 does not do half its sales
>via news stands.

I seem to remember that at that time 73 magazine got its figures by saying that at least 2 hams read every one of its magazines. Sounds good any way. 8-) What I think is happening is that Wayne has got his circulation up to what he has claimed all along and had ABC

verify it. Next he uses his editorials to blast the other ham mag's by using the possibility of their stretching the truth a bit on their circulation figures. This put doubts in advertiser's minds and hence helps 73 in the long run. A pretty good strategy on Wayne's part. I seem to remember one ham mentioned that his friend's ads did alot better in 73 then the other ham magazines. So maybe there is some truth to Wayne's comments. 73!

Jeff

--

Jeff Jones AB6MB | Hooker : I'll do anything for \$50!
jeffj@seeker.mystic.com | Henny Youngman: Will you paint my house?
Infolinc BBS 415-778-5929 |

Date: 2 Feb 93 21:46:37 GMT
From: news-mail-gateway@ucsd.edu
Subject: Can scanners pick up CORDLESS phones ??
To: info-hams@ucsd.edu

Subject: Can scanners pick up CORDLESS phones ??

>Hi,

>

> I would like to know on what frequencies do cordless phones
>operate ??? Can a scanner pick up these frequencies ?

>

>

> Any response will be greatly appreciated.

>

> Thanking You in advance,
> Percy.

You will find the base stations in the 46.500 to 47.000 Mhz region and you will find the handsets somewhere in the 49.000 to 50.000 Mhz region. I don't remember where exactly and besides, they are usually to low power to hear. Besides you can usually hear both ends of the conversation on the base alone.

+-----+-----+
Robert G. Schaffrath, N2JTX	Internet: rgs%wpmax2%gfmida@uunet.uu.net
Systems Engineer	CompuServe: 70541,435
Maxwell House Coffee Company	Phone: 914-335-2777
General Foods USA	+-----+
Kraft General Foods Corporation	:) :) :) SMILE!! :) :) :)
Philip Morris Companies	Everyone will wonder what you are up to!!
+-----+-----+

Date: 2 Feb 93 02:17:17 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!
spool.mu.edu!olivea!gossip.pyramid.com!pyramid!infmtx!seashore!
randall@network.UCSD.EDU
Subject: LW antenna
To: info-hams@ucsd.edu

ylo@osiris.kbfi.ee (Ylo Mets) writes:

>David Adams (dadams@cray.com) wrote:

>> Suppose one would like to try to pick up some DX stations on the AM broadcast
>> band. Usually the antenna is inside the radio. What could one do to
>> set up a more sensitive antenna? Is there anything one can do without
>> spending much \$\$? What if space is limited to a small back yard. (I can
>> go maybe 200' max.)

A good BCB DX antenna is directional. There are usually several stations on each frequency in the U.S. You want to be able to null the signals you don't want to hear in order to hear the signals you want. If you live near a few 50-kilowatt splatter-generators (as I do- KGO, KCBS, KNBR), you will want to null the interference on nearby frequencies. Stringing a bunch of wire randomly in the backyard will therefore provide disappointing results.

If you would like to get into BCB DXing the reasonably inexpensive way, get a GE SuperRadio. A lot of stores have them for less than \$50. The internal ferrite loop is directional; just turn the radio to null interfering signals. The sound quality of the radio is also very good- it has a nice, big speaker with separate bass and treble controls.

There are also products from Crane Co. that are actually ferrite loops that you put next to the radio, thereby coupling the product with the internal antenna of the radio. I have not tried these things.

I've had success with the Palomar Engineer's BCB loop. It fits nicely on a small tabletop. It's expensive, though ... \$90 for the amplifier/tuner and \$90 for the loop. You can also get an attachment that will couple it to the internal ferrite antenna of the radio. I use it with an Icom general coverage receiver with a coax input. This is the way to go if you have limited space but less-than-limited cash.

--

Subject: clo
To: info-hams@ucsd.edu

Hi all,

Could someone please tell me the exact dates of the Fort Walton, Florida hamfest.

Thanks in advance

Jim N4JDP at:

re_sims@vax.cns.muskingum.edu

Date: 2 Feb 93 02:11:10 GMT
From:
usc!howland.reston.ans.net!spool.mu.edu!hri.com!noc.near.net!genrad.com!genrad.com!
not-for-mail@network.UCSD.EDU
Subject: FG/DF5WA/P QTH?
To: info-hams@ucsd.edu

Pete,
I too thought that my CEPT license allowed me to operate legally in any CEPT signatory country however there seems to be some confusion if I go to FR\G, FR\E or any other French Department or dependancy.

And of course Baldur has generated soome problems in this regard with his Mount Athos operation.

Obviously if I operate in mainland France then no question but how about all those offshore DX QTH's? If CEPT works for FG-land it should work for FR/E FR/G FR/T etc too. Or maybe its just a vendetta against Baldur by the DXAC.

73 Trevor G3WQO AB5EU still exiled in Texas

Date: Mon, 1 Feb 1993 20:24:48 GMT
From:
sdd.hp.com!hpscit.sc.hp.com!hplextra!hpl-opus!hpnmdla!alanb@network.UCSD.EDU
Subject: Ham Radio Causes Cancer!
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, oopdavid@ubvmsb.cc.buffalo.edu (D.RODMAN) writes:

>In article <44051@zygot.ati.com>, john@zygot.ati.com (John Higdon) writes...

>>In article <C1F8Fp.4wM@inews.Intel.COM> jreece@sousa.intel.com writes:

>>

>>>There have been a number of "reports" on the major TV news magazines and

>>>tabloid shows about electromagnetic fields in general, and RF in particular,

>>>causing cancer.

>Your comment is typical of an uninformed (and likely uneducated) bias
>about this subject. It is my contention that epidemiological studies
>to date, often quoted in the media, mention a link between exposure to
>electromagnetic fields and various cancers.

....

>Would you say that smoking does not cause cancer

>because you never saw anyone die under laboratory conditions and ruled

>out all other causes?

....

The difference is that the "link" between cigarette smoking and cancer is far stronger than with EM fields. Smoking greatly increases your chances of getting lung cancer. The studies investigating cancer and EM fields, as I understand it, show either a weak correlation or no correlation at all.

By the way, I love that word "link". It implies cause and effect, without actually saying so. Newspapers use it all the time for that reason.

AL N1AL

Date: 2 Feb 1993 02:42:44 GMT

From: w1gsl@athena.mit.edu

Subject: New England Ham - Electronic Fleamarket Dates 1 Feb Update

To: info-hams@ucsd.edu

New England Area Major Flea Market *** DATES *** 1993 P 1 of
2

All events are Ham Radio/ Electronic related except ~____~

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1993

Contact

Source

*

6 Feb Gardner MA Mohawk ARC Auction 1PM @Am Legion Elm St N1IPG 508 632 9432 T

13 Feb Marlboro MA AARC @ Middle School \$2@10 s\$12@8 Ann KA1PON 508 481 4988 F

13 Feb Goshen NY Orange Co ARC @ Burke HS Jim WB2WLN 914 564 2707
 A+

21 Feb New Hyde Park NY LIMARC @Nassau Co Police AL Neil WE2V 516 462 5549

21 Feb Westford MA Boston Antique RC @ Tara Hall 7:30 \$3 John 508 371 0512 F

27 Feb Milton VT @HS rt 7 \$2@8AM buy or sell 802 893 4834 F

27 Feb Lewiston ME AARC @Multi Purpose CTR 8A- sell@7:30 \$5 Sal 207 998 2853

28 Feb Vennia VA Winterfest @Comm Ctr \$5@7:30- sell@6 Nancy 703 691 0078 J

28 Feb Mattapoiset MA @KofC \$1@9A sell \$10@7A Ken K1NSX 508 993 3993 F

7 March Northampton MA Mt Tom ARA @Smith VoTech \$3@9A Jim K1MEA 413 527 3199 F

13 March Hudson NH IRS @Lions Hall Adm \$2 8:30A Sell 7A Wayne 603 895 9035

14 March Bristol CT ICRC @Eastern HS 9-2 \$3/sell\$12 Chuck K1DFS 203 747 6377

20 March Westboro MA MMRA @HS \$2@10A sell @8AM Walter N1HBR 508 481 0994 F

21 March Yonkers NY WECAfest @Raceway 9-2 \$5 s@6A Sarah N2EYX 914 962 9666

27 March Portland ME @Westbrook JRHS? Ron KA1FI 207 846 9090

27-28 March Waltham MA Photographica ~photo~ Jack 617 731 6603 F

27-28 March Baltimore MD Hamboree @Timonium 8A- \$5 Sell \$5/10+ 800 HAM FEST

28 March Braintree MA @ Viking Club 10:30-3 Thaire KA1MJR 508 230 2248

28 March Framingham MA @ HS Barry WN1N 508 877 4947

28 March Poughkeepsie NY Mt Beacon ARC Ken KL7JCQ 914 485 9617
 A

3 April Upper Saddle River NJ CRRC 9-3 sell @8 Jack W2EHD 201 768 8360 D

4 April Southington CT SARA @HS \$20@6:3 \$10@8:3 \$3@9 N1GCV 203 621 6191 F

17 April Nashua NH NE Antique RC \$5@8 \$1@9 @ Res Ctr Church Ray 508 865 1290

18 April Cambridge MA FLEA at MIT Nick 617 253 3776
 F+

buy \$2@9A sellers \$10/sp@7A \$8in adv \$35 for season pass

3rd Sunday Each Month April thru October

18 April Webster MA ECARA @ Pt Breeze Rest Gary 203 974 2564 T

18 April Agawam MA HCRA @ Southwick Rec Ctr \$3@9A Bob W1ZGP 203 653 0715 F

23,24,25 April Dayton OH adm \$11 +sell \$30/50++ evenings 513 767 1107
F+

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LAST UPDATE 1-29-93 de W1GSL P 1 of

2

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Additions/ Corrections via Internet w1gsl@athena.mit.edu  
US Mail W1GSL POB 82 MIT Br Cambridge MA 02139  
SASE for updated copy as issued

P 2 of

2

1993

Contact

Source

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2 May Yonkers NY @Lincoln HS Otto WB2SLQ 914 969 1053 A

7-8 May Rochester NH Hoss Traders @FG ex13 off rt 16 \$5 noon fri WA1IVB sase  
+

15 May N Smithfield RI RIFMRS @VFW Main St 8A Rick K1KYI 401 725 7507

16 May Cambridge MA FLEA at MIT Nick 617 253 3776 F  
3rd Sunday Each Month April thru October

16 May Pittsfield MA @Taconic HS Sell \$5@7 Buy \$2@8 Cliff W1SJV 413 743 3334  
+

21-22-23 May Rochester NY ARRL-NY Conv @ Monroe FG Harold K2HC 800 724 8515 F

5 June S Burlington VT Mitch WB2JSJ 802 879 6589

6 June Newington CT @HS Flea Les KA1KRP 203 523 0453

12 June Bangor ME Pine St ARC @Hermon ES 146.34/94 8AM-\$2 Roger 207 848 3846

20 June Cambridge MA FLEA at MIT Nick 617 253 3776 F

17 July Nashua NH NE Antique RC \$5@8 \$1@9 @ Res Ctr Church Ray 508 865 1290

17 July Union ME @ Fairground \$3@7AM State Conv Skeet KA1LPW 207 622 2915  
+

18 July Cambridge MA FLEA at MIT Nick 617 253 3776 F

24 July Manchester NH NHARA @HI 8A \$4 NE Div Conv Warren WB1HBB 603 432 6001 F

8 Aug White Planes NY WECAfest Sarah N2EYX 914 962 9666 D

15 Aug Cambridge MA FLEA at MIT Nick 617 253 3776 F

7 Sept Windsor ME @ Fairground \$3@7AM Skeet KA1LPW 207 622 2915

12 Sept Gaithersburg MD FAR @Mg Cty FG \$5@6A- \$7TG Nancy Drahim 703 691 0078 J

19 Sept Cambridge MA FLEA at MIT Nick 617 253 3776 F

19 Sept Sandy Hook CT Candlewood ARA Harold KB1US  
A+

26 Sept Yonkers NY Metro 70 ARC Otto WB2SLQ 914 969 1053  
A+

15,16 Oct Rochester NH Hoss Traders @FG ex13 off rt 16 \$5 noon fri K1RQG  
+

17 Oct Cambridge MA FLEA at MIT Nick 617 253 3776 F

14 Nov Branford CT SCARA @intrm sch Brad WA1TAS 203 265 9983 T

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~

LAST UPDATE 1-29-93 de W1GSL P 2 of 2

Source F= Flyer J= John Roberts list A= ARRL list WR NV 73 CQ QST = Mags
T= tentative early info D= W1DL + = new info this month

This list has been compiled from many sources. While we believe the info to
be accurate the author can not be responsible for changes or errors.
Check with the sponsoring organizations for more details.
This list will be posted monthly to Usenet if additions have been made.
Mailed copies are sent when additions are made.

*

Additions/ Corrections via Internet w1gsl@athena.mit.edu
US Mail W1GSL POB 82 MIT Br Cambridge MA 02139
SASE for updated copy as issued.

Date: Mon, 1 Feb 1993 20:48:42 GMT
From:
usc!elroy.jpl.nasa.gov!sdd.hp.com!hpscit.sc.hp.com!hplextra!hpl-opus!hpnmdla!alanb@network.UCSD.EDU
Subject: Private repeater system (was: Real No-codes)
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, willis@cs.tamu.edu (Willis Marti) writes:

>In article <14570603@hpnmdla.sr.hp.com>, alanb@hpnmdla.sr.hp.com (Alan Bloom) writes:

>** So how would you translate this sentence into Politically Correct language?

>**

>** "No-code Technicians may not transmit on the 10 meter band."

> "Technicians who have not passed a Morse code test may not ..."
... transmit in the 10 meter band."

>See? Pretty easy to say, to the point and doesn't need any new license class titles.

Precisely my point, it takes twice as long to say. You can always rewrite a sentence not to use a certain word, because the English language has enough flexibility to say things in different ways. But that doesn't mean the word is not useful.

>**

>** The only way I can think of is:

>Possibly your brain capability is restricted by still retaining the morse code capability; hope not, several of my friends know morse code yet still manage to be civil.

What's uncivil about saying that we need a good, short word to differentiate between the two types of Technician license. Accusing me of restricted brain capacity is definitely uncivil. A case of the pot calling the kettle black.

>maybe instead of N1AL, you could say "tact impaired".

OK, I apologise for the "Morse impaired" comment. I was trying to make a comment about politically correct language, not imply any disparagement of codeless Technicians.

I have a number of blind friends who don't particularly like the

term "visually impaired." "Blind" is good enough for them.

AL N1AL

Date: Mon, 1 Feb 1993 19:51:43 GMT
From: pacbell.com!att-out!cbfsb!cbnews!cbnewsm!jeffj@network.UCSD.EDU
To: info-hams@ucsd.edu

References <kd1hz.1@anomaly.sbs.com>,
<93026.143919MGB@SLACVM.SLAC.STANFORD.EDU>,
<16B66D3BB.R0264@vmcms.csuohio.edu>,
Subject : Re: Real NoCodes

In article <16B66D3BB.R0264@vmcms.csuohio.edu> R0264@vmcms.csuohio.edu writes:
>In article <93026.143919MGB@SLACVM.SLAC.STANFORD.EDU>
><MGB@SLACVM.SLAC.STANFORD.EDU> writes:
>
>>
>>I have a Tech Plus liscense and am currently studying for my General. I
>>also have numerous CB's which I use for vehicle/vehicle or
ship/shore/vehicle
>>communications. I have become involved with a number of Ares/Races groups
>>and part of our Ham Club at work. Listening to some of the people who have
>>General Liscenses on UHF, VHF, and HF, however, makes me wonder, however
>>what they are complaining about as to the no-code techs. The pompous,
>>elitist know it all attitudes and the level of language used by these
>>"OM's" is worse than "kid" channels on CB. Although I can't speak about
>>those who only use code, I'm still working on getting to an acceptable level
>>of competence to copy them, the mentality of a number of "old timers" I have
>>heard makes me wonder if they are keying the mic's with their tails.

I seem to be in the minority here. I spend ALOT OF TIME on HF and have
heard very LITTLE bad langauge and very few pompous hams. Am I doing
something wrong? 8-)

Jeff

--

Jeff Jones AB6MB | Hooker : I'll do anything for \$50!
jeffj@seeker.mystic.com | Henny Youngman: Will you paint my house?
Infolinc BBS 415-778-5929 |

Date: 2 Feb 93 02:31:05 GMT
From:

usc!howland.reston.ans.net!spool.mu.edu!hri.com!noc.near.net!genrad.com!genrad.
.com!not-for-mail@network.UCSD.EDU

To: info-hams@ucsd.edu

References <C1n2xL.n30@lila.com>, <1993Feb1.141735.3296@miki.pictel.com>,
<1993Feb1.175112.22409@cbnewsm.cb.att.com>-for-ma

Subject : Re: Transistor equivalents

The ZTX family of semiconductors are manufactured by Ferranti in the U.K.

My book says ZTX651 NPN plastic Ic 2.0 amps Vceo 60volts
ZTX751 PNP plastic Ic 2.0 amps Vceo 60volts

no data on Ft or hfe.

73 Trevor G3WQO AB5EU

End of Info-Hams Digest V93 #151

Date: Tue, 2 Feb 1993 15:44:25 GMT

From: saimiri.primite.wisc.edu!zaphod.mps.ohio-state.edu!malgudi.oar.net!
news.yzu.edu!yfn.yzu.edu!ag821@ames.arpa

Subject: QRP->VFO

To: info-hams@ucsd.edu

I recently purchased a MXM transmitter/receiver kit at
a hamfest. The kit appears to be for 80meters (the TX crystals
are in that range, but the capacitors aren't).

I am thinking about building the kit for 30 or 40 meters. I
noticed that Kanga US and Townsend Electronics, as well as
624 kits have parts kits and boards for VFOs that will
work up through 30 meters. I am new at building and don't
understand all the circuit details YET. If you add a VFO, do
you use the Variable capacitor for both the TX and RX. If so
I already have the Variable capacitor and the other components
to but the rig on either 30 or 40.

It seems to me the rig would be a lot more usefull if I
can use more than one freq. Does anyone have experience
with this..

Electronic Systems - Valley Forge Engineering Center - Paoli, Pennsylvania

Date: Tue, 2 Feb 1993 15:49:40 GMT
From: pacbell.com!att-out!cbfsb!cbnews!cbnewsm!jeffj@network.UCSD.EDU
Subject: Real Hams: A non ham view
To: info-hams@ucsd.edu

In article <harp.98@bnr.ca> harp@bnr.ca (Alan Harp) writes:
>In article <1993Jan31.235455.26589@progress.com> damelio@progress.COM (Stephen
D'Amelio) writes:

>
>>I were you I would not WANT to be labeled a "Real Ham".
>>I thought CB was bad. You can't even get along
>>among YOURSELVES! All I can say is keep it up.
>>The more you fellows do battle, the more likely
>>these frequencies will be re-allocated to the
>>business bands. We would LOVE to have them.
>> I can hardly wait for you people to begin
>>picking this article apart.
>
>>Steve D'Amelio
>>No code, No Ham, No way!

Please don't get the idea that this newsgroup is a reflection of the
ham community in general. This newsgroup should probably be called
rec.radio.amateur.bizarre at times. Here is what ham radio is really
about;

Hams politely chatting about their equipment on the air.
Hams calling in auto accidents via autopatch.
Hams really enjoying working a new country.
Hams getting upset when they hear the rare case of bad language on the air.
Hams helping other hams get on the air.
Hams having the time of their lives contesting.
Hams joining with other hams on field day and spending the whole
weekend out in the boonies working other hams in the boonies around
the country.
Hams spending a Saturday helping with communications at a Walkathon
for M.S.
Hams telling other hams around the country to drop by if they are in
the area.
Hams having a great time doing CW on the air.
Hams having a great time building equipment.
Hams having a great time discussing Wayne Green.
Hams getting a great deal of satisfaction at cracking a pileup to get
a new country.
Hams talking at length with other hams in other countries.
Hams having a thrill working a satellite.

Hams having strong beliefs in spreading goodwill by talking to other hams in the USA and other countries.

Hams standing by on a repeater with a fellow ham whose car is broken down in the middle of nowhere until help arrives. (This was my car).

Hams happy to meet other hams face to face.

Hams doing their best to help out new No-code techs with proper operation of repeaters.

Hams doing their best to help new No-code techs to upgrade.

Can anyone else add to this list? I am sure there is much, much more.

DO NOT USE THIS NEWSGROUP AS A EXAMPLE OF HAM RADIO! IF YOU JUNK THE OFF THE WALL DISCUSSIONS AND READ HOW OTHER HAMS ARE HELPING OTHER HAMS HERE, YOU WILL SEE THE SPIRIT OF HAM RADIO.

Jeff Jones

(A ham for almost 2 years and who has had a total blast with ham radio)

--

Jeff Jones AB6MB | Hooker : I'll do anything for \$50!
jeffj@seeker.mystic.com | Henny Youngman: Will you paint my house?
Infolinc BBS 415-778-5929 |

Date: Tue, 2 Feb 1993 14:44:52 GMT

From: sdd.hp.com!usc!cs.utexas.edu!swrinde!emory!kd4nc!ke4zv!gary@network.UCSD.EDU

Subject: Solar panel night discharging

To: info-hams@ucsd.edu

In article <C1t103.Htx@panix.com> dannyb@panix.com (Daniel Burstein) writes:

>In <93032.115424MGB@SLACVM.SLAC.STANFORD.EDU> <MGB@SLACVM.SLAC.STANFORD.EDU>
writes:

>

>>I have two solar power panels which I want to use to charge a deep cycle
>>battery. I need a device to turn the circuit off when the panel would
>>start to drain the battery rather than charge it. Does any body have
>>a fairly simple circuit design, know of a device, or a way to accomplish
>>this.

>

>you'll (hopefully) get all sorts of circuit diagrams in response. also,
>there are (or at least were) lines of controllers available from ARCO
>Solar, since taken over (kind of) by Siemens.

>

>one quick point, though: do NOT rely on a simple diode arrangment. there
>IS a back-path (i.e. discharge) through diodes; they are NOT 100% blockers.

>

>dannyb@panix.com

But for this application most diodes are good enough. Other than old germanium diodes, you'll find most power diodes to have greater than a megohm of back resistance. That's 12 *microamps* of back leakage in a 12 volt system. If that discharges a battery bank intended to run a 100 watt station, you don't operate enough. :-)

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244				

Date: 2 Feb 93 02:32:51 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!
spool.mu.edu!olivea!gossip.pyramid.com!pyramid!infx!seashore!
randall@network.UCSD.EDU
To: info-hams@ucsd.edu

References <32920101@hpspdla.spd.HP.COM>, <randall.728017990@seashore>,
<1k7hjpINN47m@quasar.genrad.com>.mu
Subject : Re: MFJ HF Vertical Question.

tgs@quasar.genrad.com (Trevor G. Smith) writes:

>The MFJ antenna is a ripoff of the C4 co-axial half wave vertical design.
>I guess the Hy-gain patent expired on the loading coil design as MFJ is
>using it.
[...]
>My advice is go buy a used R5 and save some bucks and you'll have a nice
>antenna.

It looks like the MFJ Veritcal and the MFJ Loop are still vaporware anyway. I checked Ham Radio Outlet this weekend, and they still haven't heard anything about them.

Since MFJ usually uses less-than-high-quality construction techniques, I doubt that either product would be any good. You can't be careless when it comes to building a small transmitting loop. Having a knob or screw fall off on an antenna tuner may not be a problem, but not on a transmitting loop.

I'm not trying to rag on MFJ. Their stuff is cheap. But, you get

what you pay for.

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Randall Rhea                                Informix Software, Inc.
Project Manager, MIS Sales/Marketing Systems  uunet!pyramid!infmt!randall
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End of Info-Hams Digest V93 #156
